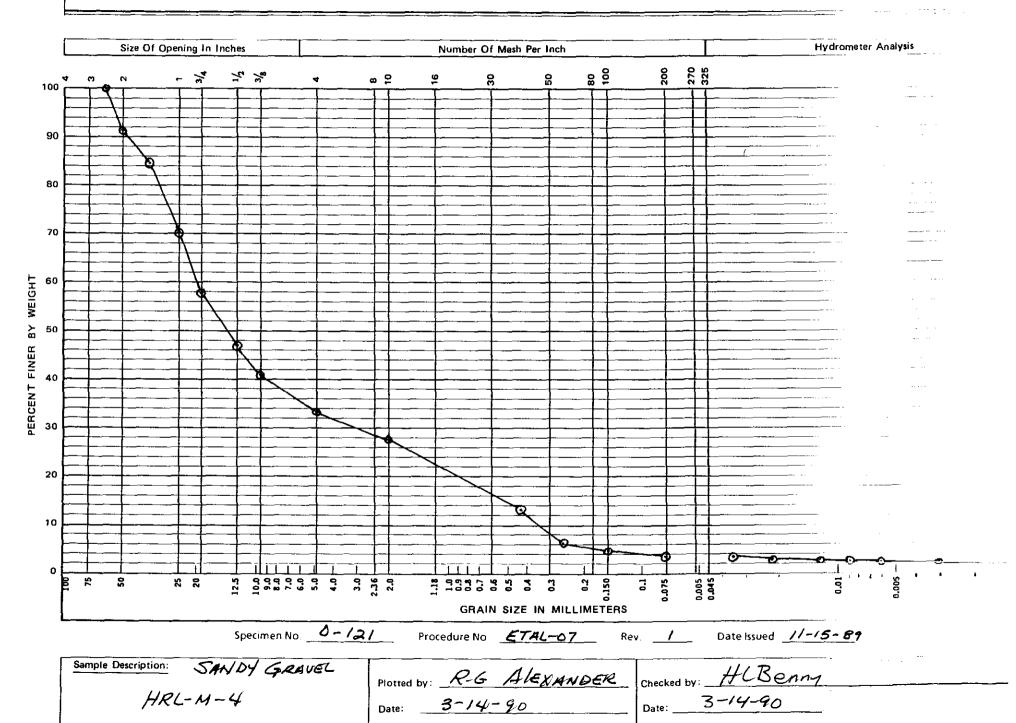
TEST REQUEST FORM

Sample/Specimen N	0:0-121	Cost Code/Work Order No. ED 332
Requested By: Or	g. 81232	Person J. Lindberg Date 3-12-90
Test Requested	No. of Samples	Test Lab Information (Instruction Used)
Sieve Anal		ETAL-07
Hydro		ETAL-07
Sp6.		ETAL-10
NA	NA	NA
	•	
	:	
lemarks Field Sa HRL-m-4	male -	Received By: HC Benny Date 3-9-90
		Approved By: H. Benny Date 3-9-90



	SIEVE ANALYSIS DATA SHEET						
		le ID <u>o</u> ~			Page/		
	Те	sted By_/	P.G. Alexan	DER 1	Date 3-13-9	70	
	Pr	ocedure_	<i>ETAL-07</i> Re	v <u> </u>	Date Issued <u>/</u>	11-15-39	
	EQUIPMENT ITEM CALIBRATION NO. DATE DUE Balance 3304 3-25-90 Thermometer 0007 8-16-90 N/A N/A 4/A						
Samp	le Desc	ription	SANDY GRA	WEL.	— Sieve Tir	no 17 (r	ninl
_			splitting (ш
BEF	4-1		AFTER TE	7.1			
Sieve ID Number	Sieve Size	Sample Weight	Cumulative Wt. Retained (g)	% Retained	Cumulative % Retained	Cumulative %	% Pas
N/A	2	5633.38	438.94	8.7	8.7	91.3	91.3
	11/2		790.03	15.7	15.7	84.3	84.3
			1503.53	29.9	29.9	70.1	70.1
	3/4		2119,37	42.1	42.1	51.9	57.9
	42		2483.33	<i>5</i> 3.3	53.3	46.7	46.7
	3/8		2980.14	59.2	59.2	40.8	40.8
	#4		33.58, 79	64.7	66.7	<i>33</i> , 3	<i>3</i> 3.3
	#10	*	3636,21	72.2	72.2	27.8	27.8
	#40	83,56	44.66	53,4	53.4	46.6	13.0
	#60		65.23	78.1	78.1	21.9	6.1
	#100		6984	83.4	83.4	16.4	4.6
V	[#] 2∞	†	72.55	84.8	86.8	/3.4	3.7
	Finess M	Modules (FM) <u>~/</u> A (See ASTM C 1	36-83, Section	B.2)	
MATERIALS FINER THAN NO. 200 SIEVE BY WASHING							
	_		ising a 200 Sieve		Remark	L EIELD	
-	-	eight of San		83.56	SAMI		
E=Dry We	E=Dry Weight of Sample After Washing/Sieve 72.55g C = <(D-E)/D> X 100						
ДТ							<u></u>
OF	ERATO		AINED AND US		ATED INSTRU		
	TGCKGA	13 - 17 C				-6400-204(2-87)	

GRAIN SIZE ANALYSIS PLOT



BD-6400-136 (0-86)

SOIL MOISTURE DATA SHEET

PROCEDURE NO. ETAL - 14 REV. NO. 4

THERMOMETER NO. 0007 CALIBRATION DUE DATE 8-16-90

		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,				
SAMPLE NO.	WET WT. + CAN	DRY WT. + CAN	CAN WT.	WET WT. SOIL	DRY WT. SOIL	% WATE
0-121	5255.73	5150.57	117.19	5138.54	50 33,38	2.09
						/
			ļ <u> —</u>			
					//	
						
						
	· · · · · · · · · · · · · · · · · · ·					
			}			··············
						
						\
/						$\overline{}$
					<u> </u>	

ALL REQUIRED DATA ARE ACCURATELY AND COMPLETELY RECORDED. THE TEST OPERATOR WAS APPROPRIATELY TRAINED AND TEST PROCEDURES FOLLOWED TO PRODUCE THE ABOVE DATA

R.G ALEXANDER

DATE 3-13-90

SPECIFIC GRAVITY OF SOILS DATA SHEET

Test Operator R.G. ALEX ANDER			3-13-90		
EQUIPMENT ITEM	NO.		DATE DUE		
Balance	3304		3-25-90		
Oven Thermometer	0007		8-16-90		
Thermometer	0002		2-9-91		
Pycnometer	2554		N/A		
Netting Agent 'Q" WATER				- 	
DETERMINATION NO.		1	2		
Drying Container No.		N/A	N/A		

	DETERMINATION NO.	1	2	3
	Drying Container No.	N/A	N/A	N/A
	Wt. Container + Oven Dry Soil, ± 0.01g	N/A ·	<u> </u>	1
	Wt. Container, ± 0.01g	N/A		
w,	Wt. Oven Dry Soil, g	40.00	· -	·
	Pycnometer No.	2554		
	Wt. Pycnometer, g	135 .72	`	·
Wa	Wt. Pycnometer + Wetting Agent, g	387 - 10		·
W _b	Wt. Pycnometer + Wetting Agent + Soil, g	412.54	'	
<u> </u>	Temperature, T _x at W _b , °C	24.0 c.		
G _w	Specific Gravity of Wetting Agent at T _x	1.00		
G,	Specific Gravity of Soil at T _x	<u>Z</u> . <u>75</u>		
G,	Specific Gravity of Soil at 20°C	2.74	A	¥

$$G_t = \frac{G_{w^{\bullet}} Y_{w^{\bullet}} W_o}{W_o + (W_a - W_b)}$$

γ_w = Unit Weight Of Water (g/cc)

*G, = K.G,

Average Specific Gravity At 20°c

274

K values found in ASTM D854-58, Table 1

*NOTE $G_s = G_t$ When Test Run at 20 °c

ALL REQUIRED DATA ARE ACCURATELY AND COMPLETELY RECORDED. THE TRAINED AND UTILIZED CALIBRATED TEST INSTRUMENTS AS INDICATED ABOWERE FOLLOWED TO PRODUCE THE ABOVE DATA.	TEST OPERATOR WAS APPROPRIATELY DVE. APPROVED TEST PROCEDURES
Checked By HBenny	Date 3-13-90

Sample I	<u> </u>	121		Pag	gelof	<u>'-</u> 	
•	[,	Tested By <u>H</u>	Benny	Date <u>3-/</u>	2-90		:
	1	Procedure <u>ET</u>	ALO7 Rev Da	ate Issued <u>11-15-89</u>			:
		EQUIPI	MENTITEM	NO.	LIBRATION UE DATE		:
	1	Hydrometer			2-16-41		
	İ	Balance Thermomet	er/Thermocouple	33 <i>0</i> 4 3	3-25-90 L-9-91		
	L						
		Sample		HYGROSCOPI	C MOISTURE C	ONTENT	
		eveZ	<u>7.8</u> (%)	Wt. Container + Air			g)
11,91030	opic con c			Wt. Container + Ove	n Dry Soil	VA(g)
	W	IGHT OF SAM	1PLE	Wt. Container	·NA	(g)
Wt. Con	tainer + Ś	oil _	<i>.∪A</i> (g)	Water Content	NA	(%)
Wt. Cor	tainer	سعتني	<i>NA</i> (g)				
Wt. Soil <u>83,56</u> (g)		83,56 (g)	<u>REMARKS</u>				
				Tube C			
	<u> </u>	POSITE CORRE		JK Cours I I la	<u> </u>		
			23.5°C	* Considerable estimated			<u> </u>
2nd Rea	ading	<u>NA</u> at	<i>NA</i> °C	W= 300.58	Caering	<u> </u>	
				Pan 15			
Date	Clock time	Elapsed time (min)	Hydrometer reading	Hydrometer with composite correction	Temp. (°C)	Soil in suspension (%)	Particle diamete (mm)
3-12-90	1044	2.0	212*	10	24.0	3.3.	Q:033
	1047	5.0	11	9	23.9	2.9.	0.022
	1057	15.0	11	HLB 89	23.7	2.9.	0.013
	1112	30.0	10	8	Z3.5	2.6.	0.009
	1142	60.0	9	7	23.8	2.3.	0.004
	1452	250.00	8	6	24.3	2.0.	0.003
3-13-90	1042	1,440.0	7	5	23.2.	1.6.	0.001
				rticle diameter and hygroscopic o			

Checked By R.6

Alexander

3-14-90

Date

estinghouse Inford Company

SAMPLE ANALYSIS REQUEST

PART I: FIELD SECTION					
Collector Ju	Lindberg & Steve C		10:00 AM		
	tact JwLindberg		Telephone (509) 376 ~5005		
		Г			
Sample Number	Number and Type of Sample Containers	Type of Sample*	Analysis Requested		
HRL-H-Z	1 plastic bag set	50il	ASTM-D-422 Grain Size Analysis		
4RL-D-4	11	1/	"		
HRL-C-1	//	11	//		
HRL-M-4	11	- 11			
HRL-R-7	1/	11	1/		
HRL-T-6-AH	-172 11	11	//		
1100-3-15-5			//		
1100-3-F-8	7	"	1/		
1100-3-11-5	u u	1/	11		
1/00-3-14-8		1/	()		
1/00-2-12-3	· · · · · · · · · · · · · · · · · · ·	1/	11		
1100-2-1-4		11	11		
1100-2-4-1	J	11	t t		
1100-2-411-1		(1)	(1		
					
		 			
<u> </u>					
Field Informat	tion** <u>Kun hydromete</u>	er on all 3	amples listed hereon		
Special Handli	ing and/or Storage				
<u> </u>		PART II: LABORATO	DRY SECTION		
On a since of the					
Į.			Date		
Analysis Required					

^{*}Indicate whether sample is soil, sludge, water, etc.

**Use back of page for additional information relative to sample location.

Vestingh	ouse
Ianford	Company
	Vestingh Ianford

CHAIN OF CUSTODY

Company Contact: 1.W.Lind	pera	Telep	hone <u>(</u>	-50	55		_
Sample Collected by: JWLindb	era & Steve Clark	Date: Mar	ch 9	Time	10:00	-10:30	<u>A</u> M
Sample Locations: Hom Rapid	ls Tanfill, Sa	mple#s re	fer to a	crit no	des_		_
	v Field L					p. 68	
Remarks: Procedure EII-5. opade was used to colle	2 Soil Samplein	g was us	ed, sta to 0.3	ndard	stee -	1	_ :
Bill of Lading No.: NA	•			1)			
Method of Shipment: Hand Cart					· · · · · ·		_
Shipped to: <u>Jerry Alexander</u>	1	Testing L	ab				_
	Sample Identifica						
HRL-H2- Surface Soil		lastic ba	ne ar	een du	+ Lane	- /_	ام
HRL-D4-Surface Si		"	93, 31	<u>, 10 m</u>	- /ap^	<u> 100</u>	≃1
	Sample _	11	<u>, </u>				_
HKL -Col - Surface Soi			1. ,	4.	*		· •
HRL-M-4-Surface So	7 1		·····		<u>'.</u>	<u>, , , , , , , , , , , , , , , , , , , </u>	<u>.</u>
HRL-R-7-Surface Soil			<u> </u>		Ψ	4	_''
HRL-T-6-AH-172 Surface 5	or sample _	l ₁	1, 1	·	<u></u>	"	_^
	<u> </u>		- +				_
							_
		,—,—,					_
							_
CHAIN OF POSSESSION							
Relinquished by:	Received by:	_		Date,	/Time:		_
Wordlerg Jwlindberg	R.G Allefond	L R.G.	Alexani	Xea. 3	-9-5	0 /	/3 m
Relinquished by:	Received by:			Date,	Time:		
Relinquished by:	Received by:			Date/	Time:	,	.
Relinquished by:	Received by:			Date/	Time:		-
	<u> </u>		-		FVR	\07188	- :9-В

CONDITIONAL RADIATION RELEASE	CONDITIONAL RADIATION RELEASE
Instructions: Sample # HRL-H-2	Instructions: Sample # HRL-D-4
mitaide mula 100 al	outside surfaces of
Martie has + 1 DE-VID	Martie las + 6DB. X/6D
- Name 200, 1/20	Dist Amas
med / smear . a	weng frien.
Date: 3-9-90 By: 1. M (Date: 3-9-90 By: N. M.
Date: 3-9-90 By: Radiation Monitoring	Date: By:
BL-6700-133 (10-77)	BL-6700-133 (10-77)
CONDITIONAL RADIATION RELEASE	CONDITIONAL RADIATION RELEASE
Instructions: Sample # HRL-C-/	Instructions: Sample # HRL-M-4
autaide surfaces of plastic	autside surfaces of slastic
bas - 6D 8-8/2D+	bag - LDB-XILDL
Direct Inter	amon & Direct
and the second	
Date: 3-9-90 By: 1.M.	Date: 3-9-90 By: 1.M.
Radiation Monitoring	Radiation Monitoring
BL-6700-133 (10-77)	BL-6700-133 (10-77)
CONDITIONAL RADIATION RELEASE	CONDITIONAL RADIATION RELEASE
Instructions: SAMPLO # HRL-R-7	Instructions: + AMARIE + 17 KL-T-6-AH-12
outside surfaces of	outside surfaces of
plastic bag - LD B-8/KD.	plantic bag - 20 Bix/20
Direct / Smear	Direct g smear
,	
Date: 3-9-90 By: A.M.	Date: 3990 By: 1, M.
Radiation Monitoring	Radiation Monitoring BL-6700-133 (10-77)
BL-6700-133 (10-77)	CONDITIONAL RADIATION RELEASE
Instructions: Admple #1/00-3-E-5	11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Instructions:	Instructions: SAMPO 7 1100-3-1-8
Juliede surfaces of	- ourside surfaces of
" plastic bag - LDB, 8/4D	- plastic bay + LDB, 8/LDL
Vinect & Amean	Smear & Durect
-	1 200 2 0 00
Date: 3-9-90 By: 1.20.	Date: <u>A. M.</u> By: <u>3-9-90</u>
BL-6700-133 (10-77)	Radiation Monitoring BL-6700-133 (10-77)
CONDITIONAL RADIATION RELEASE	CONDITIONAL RADIATION RELEASE
a slatting	Instructions: Sample # 1100 - 3 - H - 8
Instructions: SAMYOU TI 1100-3-H-	outside surfaces of staster
- omore surfaces	baa - 1 DB, X/2Dd
Convenie Disort Amo	Direct I Amean
Ja vor par ea	
2 2 60 1 1 200	Date: 3-9-90 By: 1. M-
Date: 3-9-90 By: S. I- Muty Service Badiation Monitoring	Radiation Monitoring
RiL6700-133 (10-77)	BL-6700-133 (10-77)

C

О